NT BOOK

mensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
@ 0.12m c/c:			
5.95 Nos-mtr			
3 = 90.00			
62 kg (vii)			
al = 7748.45 kg ≈ 7.7 tonne			

Ms Lpllf. No
AE (W7)

M. A. R. 57 (Rule 116)
Measurement Book

BRNo: 633 | 28.11.16.

No. B

263375

Serial No. First and final bill.

Name of Work Improvements to Roads From in Badrappa layout (shenoy tailor house - surroundings near kashinagar) in ward No:07 byrasandrapura.

Name of Contractor of nature of Agency Thiru. Nagendra.

Date of commencement of work

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item. No.01:- Removing R.S slab of drain and stacking. Qty vide page. No. 2634 | 263367 → 662.40 Sq.m. At the rate of Rs. 50.00 →						33120.00
	Item. No.03:- Earthwork excavation by manual means in ordinary soil involving an average horizontal throw up to 2mts and an average lift up to 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods, complete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	as per specifications:						
	Qty vide page No. 2634/263368 →				438.21 cum		30674.70
	At the rate of Rs: 70.00 →						
	Item.No.13:- Lead for disposal of debris shall be payable at carage rates by mechanical means including loading and Onloading:						
	Qty vide page No. 2634/263368 →				438.21 cum		30674.70
	At the rate of Rs: 70.00 →						
	Item.No.02:- Refixing stone slabs of drains and pointing in CM1:3.						

M. A.
Me

Serial No. .....
Name of Work ..... Fron
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Qty vide page No.	
	At the rate of Rs	
	Item.No.04:- Scarifying the existin	
	disposal of scarified material	
	as per specifications:	
	Qty vide page No.	
	At the rate of Rs	

NT BOOK

Dimensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
3368 →	438.21 cum			30674.70
shall be payable at carage				
g loading and Onloading:				
3368 →	438.21 cum			30674.70
ing and painting in CM 1:3:				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263376

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty vide page No. 2634/263369 →					50400 Sqm.	
	At the rate of Rs: 70.00 →						35280.00
	Item No 04:-						
	Scarifying the existing granular road surface to a depth of 50mm & disposal of scarified material within all lifts and leads upto 1000m complete as per specifications:						
	Qty vide page No. 2634/263369 →					1027.30 Sqm.	
	At the rate of Rs: 17.00 →						17464.10

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item. No. 05:- Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications: Qty vide page No. 2634 | 263370 → 1027.30 Sqm At the rate of Rs: 4.0 →					4109.20	
	Item. No. 06:- Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	aggregates @ 0.465 cum exceeding 15 cms, thick, cost of all materials, per specifications: Qty vide page At the rate of
	Item. No. 07:- Providing and etc, and removal of

ENT BOOK

Dimensions			Contents	Reference to last Measurement
th	Breadth 5	Depth 6	7	8
ound with maximum of 6 passes				
uding filling in depression				
ost of all labour, hire of				
ons:				
370 → 1027.30 sqm				4109.20
n position plain cement concrete				
gs with 40mm and down size aggregates @ 0.892 cum and fine				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263377

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	aggregates @ 0.465 cum exceeding 15 cms, thick, cost of all materials, per specifications:	machine mixed, concrete well compacted, in foundation labour, hire of machinery,				laid in layers not curing complete as	
	Qty vide page	No. 2634/263372 →			163.40 cum		825170.00
	At the rate of	Rs: 5050.00 →					
	Item No. 07:- Providing and etc, and removal of	removing centering, shuttering, form work for foundation,				footings,	struting, propping bases of columns

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	for mass concrete including cost of all materials, labour complete as per specifications:						
	Qty vide page No. 2634/263373 →					992.00 Sqm	
	At the rate of Rs: 230.00 →						228160.00
	Item No.08:- Providing and constructing granite/trap/basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications:						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Cdi :
	At the rate
	Item No.09:- Providing a granite jelly ready m and well compacted i finish in CM 1:3, with Rec- drain:

Contents	Reference to last Measurement
7	8
abour	complete
00 Sq.m	228160.00
basalt	size stone
stone hammerred	
stones	at 2m.
abour,	curing

M. A. R. 57 (Rule 116)
Measurement Book

No. B
263378

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cdi :	3×2	5.00	0.6	0.75 =	15.5 cum.	
	At the rate of Rs :		3800.00 →				51300.00
	Item No 09:- Providing and laying cement concrete using 20mm and down size granite jelly of ready mix Concrete of RCC works laid in 15cms thick layers and well compacted including vibrating curing etc, including smooth finish in CM 1:3, with all load and lift etc., complete :						
	Rec- drain:	02	30.00	0.60	0.10 =	3.60	

26/11

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Checked. 26/11	02	30.00	0.60	0.10	= 3.60	
		02	20.00	0.60	0.10	= 2.40	
		02	9.00	0.60	0.10	= 1.08	
	Curve to main road:-	02	30.00	0.60	0.10	= 3.60	
		02	30.00	0.60	0.10	= 3.60	
		02	19.00	0.60	0.10	= 2.28	
		02	35.00	0.60	0.10	= 4.20	
	Main road:-						
	culvert slabs:-	03	6.00	1.80	0.23	= 7.45	
	SWD - bottom:	01	15.00	3.00	0.10	= 4.50	
	side wall:	02	15.00	3.00	0.23	= 20.70	
	slabs:	01	15.00	3.00	0.23	= 10.35	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Road:-
	Shenoy tailor house r
	Curve to main road:-
	Qty Hd to 165
	At the rate of

Contents	Reference to last Measurement
7	8
·60	
·40	
·08	
3·60	
3·60	
·28	
4·20	
·45	
·50	
0·70	
0·35	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263379

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Road:-						
	Shenoy tailor house rd:-	01	30·00	3·20	0·10	= 9·60	
		01	30·00	3·20	0·10	= 9·60	
		01	20·00	3·20	0·10	= 6·40	
		01	9·00	3·20	0·10	= 2·88	
	Curve to main road:-	01	30·00	6·50	0·10	= 19·50	
		01	30·00	6·50	0·15	= 29·25	
		01	22·00	6·50	0·15	= 21·45	
						166·04 cum	
	Qty Hd to 165·72 cum.						
	At the rate of Rs: 5600·00 →						928032·00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item. No. 10:-						
	Vaccum-de-watering with vaccum pump and suction mat & compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, screed vibratory, power floater, blade and dise etc, with all lead and lift:						
	Shenoy tailor rd:-	01	30.00	3.20	-	= 96.00	
		01	30.00	3.20	-	= 96.00	
		01	20.00	3.20	-	= 64.00	
		01	9.00	3.20	-	= 28.80	
	Cleave to main road:-	01	30.00	6.50	-	= 195.00	
		01	30.00	6.50	-	= 195.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	At the
	Item. No. 11:-
	Providing gr
	80mm - 100mm includin
	machinery, including
	of groove and prov

K

	Contents	Reference to last Measurement
oth	7	8
	and suction onal &	
	ting disc including	
	ratory, power	
	Lift :	
	= 96.00	
	= 96.00	
	= 64.00	
	= 28.80	
	= 195.00	
	= 195.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263380

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		01	30.00	6.50	-	= 195.00	
		01	22.00	6.50	-	= 143.00	
						1819.8 Sqm.	
							91152.00
			90.00				840125.90
	At the rate of Rs:		~~1027.30~~ →				NDP AE(W)
	Item No. 11:- Providing groove cutting for width of 5mm to 10mm and depth 80mm - 100mm including cost of cutting machine, generator & TCM of machinery, including cost of blade, coolant etc., including cleaning of groove and providing sand and hot bitumen fillers and filler metal						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	etc, including cost of lead and lift charges drawing and as per	conveyance of all materials, labour, and all other incidental charges as per specifications:					
		05	3.00	-	-	= 15.00	
		05	6.00	-	-	= 30.00	
		04	3.00	-	-	= 12.00	
						57.00 mtrs	
	Qty 1ef to At the rate of Rs:	56.4 mtrs 113.00 →					6373.20
Item. No.12:-	Providing T.M.T	steel	reinforcement	for RCC	work	including	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Straightening, cutting wherever necessary co shall not be measured Qty vide At the ra

Date 14/11/16

Contents	Reference to last Measurement
7	8
...rials, labour, charges as per	
5·00	
0·00	
2·00	
7·00 m/s	
	6373.20
... work including	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 263381

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Straightening, cutting, bending, hooking, placing in position, lapping wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials.:						
	Qty vide page No. 2634 | 263374 → 7.62 tonne.						
	At the rate of Rs. 78000.00 →						594360.00
						GRAND TOTAL=	2840589.00
							28.75,870-

Assistant Executive Engineer
Kodigehalli Sub Division,
Zone, B.B.M.P.

AE(W)
14/11/16

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2 Royalty charges:	3	4 coarse.	5 fine.	6	7 cement	8
Sl. No.	Details | Qty | Unit	coeff	Qty	coeff	Qty	coeff	Qty:
06.	163.40 - cum - 40mm.	0.96	156.86	0.45	78.43	-	-
07	20mm - cum - 165.72.	0.85	140.86	0.416	68.93		
	TOTAL:-		297.72		147.36		
	ABSTRACT:-						
	Coarse aggregates: 297.72						
	Fine aggregates: 147.36						

towards SnehaNagara (35m)

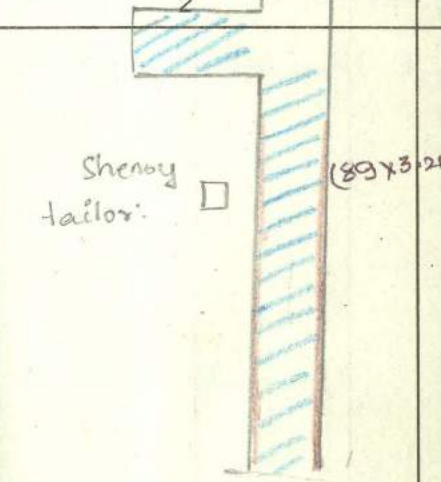
Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work
1	2



Contents	Reference to last Measurement
7 cement	8
coeff	Qty:
-	-

towards SnehaNagara (35m) towards Khashinagara

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263382

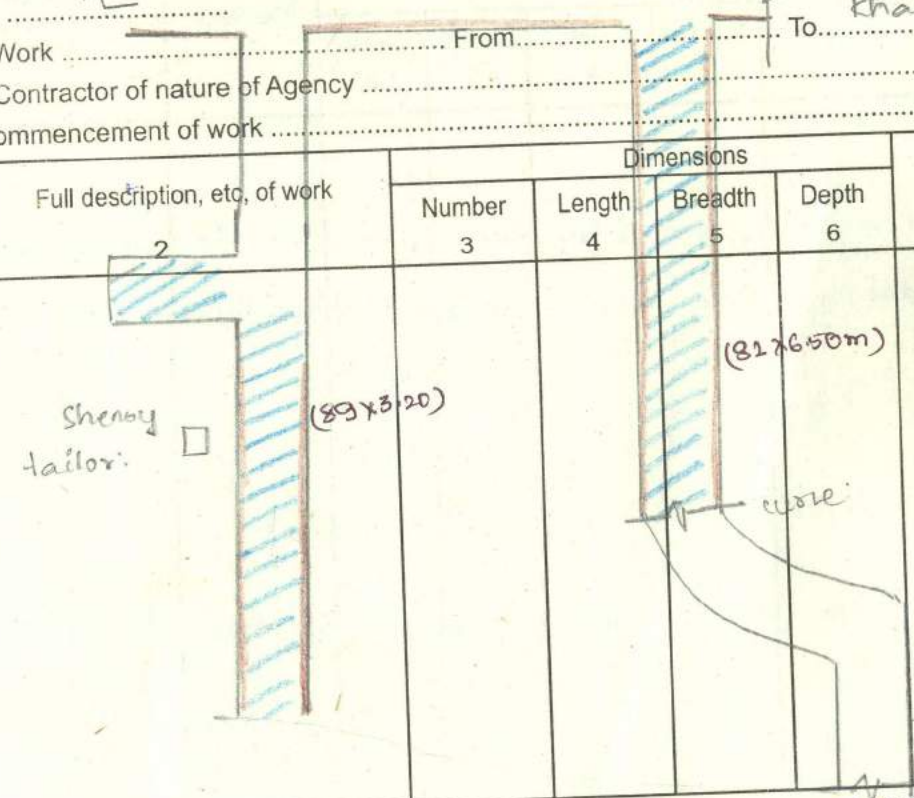
Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Sheeny tailor.		(89×3.20)	(81×6.50m)			



Rcc drain
cc Road.

Apply N.D
AE(W)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate: 1) certified that the work done by the contractor is satisfactory 2) Certified that debris has been removed from the workspot Apply N.D AE(WT)						

BR/633/28-11-1

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	ಬಿಲ್ಲು ಮೊತ್ತ ರೂ. 28758 ಸದ್ಯ ಬಾಕಿ ಇರುವ ಅಡವಿನ ರೂ. ಮೊದಲಾಗಿ ಇರಬೇಕಾದ ಅಡವು ಮೊತ್ತ ರೂ. 26,62,005- ಈ ಪ ಮೊತ್ತವನ್ನು ಸಂದಾಯ ಲೆಕ್ಕಾಧಿಕಾರಿಯವರು

BR/633/28-11-16

M. A. R. S
Measure

No. B

263383

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 2875870-00 ಗಳು ಬ್ಯಾಂಗ್ ಮಾಡಿದ: ಇದರಲ್ಲಿ ರೂ 213065-00 ಹೊರಬಾಕಿ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು ರೂ 26,62,005-00 ಚೆಕ್ ಪುಟಾಂತರ ನೀಡಲಾಗಿದೆ ಲೆಕ್ಕಾಧಿಕಾರಿಯವರು ಬ್ಯಾಂಗಳೂರು 25/11/16					Total Rs: 28,75,870-00 IT - 28759-00 VAT - 115035-00 CST - 28759-00 CSF - 2876-00 LR - 37386-00 Penalty - ~~26,62,005-00~~ 1050-00 Adj 213065-00 Charges: 26,62,005-00	

factor is satisfactory
from the workspot